

10/555,472

FILE 'HOME' ENTERED AT 17:45:52 ON 30 SEP 2006

=> set abbr on perm
SET COMMAND COMPLETED

=> set plurals on perm
SET COMMAND COMPLETED

=> file caplus inpadoc

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.63	0.63

FILE 'CAPLUS' ENTERED AT 17:47:43 ON 30 SEP 2006

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FILE 'INPADOC' ENTERED AT 17:47:43 ON 30 SEP 2006

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=> s de 9421955/pn
L1 1 DE 9421955/PN

=> d 11 1 all

L1 ANSWER 1 OF 1 INPADOC COPYRIGHT 2006 EPO on STN

LEVEL 1

AN 38353314 INPADOC
TI PLANETWALZENEXTRUDER.
PA ENTEX RUST & MITSCHKE GMBH, 44805 BOCHUM, DE
PAS RUST & MITSCHKE ENTEX
PAA DE
DT Utility Model
PIT DEU1 UTILITY MODEL
PI DE 9421955 U1 19970619
AI DE 1994-21955 U 19940920
PRAI DE 1994-21955 U 19940920
DE 1994-4433487 IA 19940920
OSDW 97-260140
ICM (6) B29C047-42
IPCR B29C0047-42 [I,A]; B29C0047-82 [I,A]
B29C0047-38 [I,C*]; B29C0047-78 [I,C*]
EPC B29C47/42; B29C47/82

=> file uspatfull caplus japiro

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.96	6.59

FILE 'USPATFULL' ENTERED AT 17:50:11 ON 30 SEP 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'CAPLUS' ENTERED AT 17:50:11 ON 30 SEP 2006

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FILE 'JAPIO' ENTERED AT 17:50:11 ON 30 SEP 2006

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=> s (planet?(2a)extrud?)(s)(vinyl or monomer# or addition or polyaddition or polymer? or react? or copolymer?)
L2 136 (PLANET?(2A) EXTRUD?)(S)(VINYL OR MONOMER# OR ADDITION OR POLYADDITION OR POLYMER? OR REACT? OR COPOLYMER?)

=> s extruder(6a)(polymeriz? or polymeris? or copolymeriz? or copolymeris?)
L3 1476 EXTRUDER(6A)(POLYMERIZ? OR POLYMERIS? OR COPOLYMERIZ? OR COPOLYM ERIS?)

=> s l2 and l3
L4 5 L2 AND L3

=> d 14 1-5 ibib abs

L4 ANSWER 1 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2004:31976 USPATFULL
TITLE: Process for the preparation of urethane (meth) acrylates
INVENTOR(S): Weihrauch, Thomas, Duelmen, GERMANY, FEDERAL REPUBLIC OF
PATENT ASSIGNEE(S): Wenning, Andreas, Nottuln, GERMANY, FEDERAL REPUBLIC OF Degussa AG, Duesseldorf, GERMANY, FEDERAL REPUBLIC OF (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004024118	A1	20040205
APPLICATION INFO.:	US 2003-367887	A1	20030219 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2002-10250512	20021029
	DE 2002-10206483	20020216
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314	

NUMBER OF CLAIMS: 29
EXEMPLARY CLAIM: 1
LINE COUNT: 514

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a process for the solvent-free, continuous preparation of urethane (meth)acrylates in an extruder, intensive kneader, intensive mixer or static mixer. These urethane acrylates can be used for the preparation of radiation-curable transparent or pigmented coating compositions, in particular powder coating compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 5 USPATFULL on STN
ACCESSION NUMBER: 2001:197121 USPATFULL
TITLE: Peroxidic treatment of olefin polymers
INVENTOR(S): Huber, Karl, Frankenthal, Germany, Federal Republic of Schwind, Jurgen, Bornheim, Germany, Federal Republic of Lehr, Klaus, Volxheim, Germany, Federal Republic of Elser, Hermann, Wachenheim, Germany, Federal Republic of Klassen, Horst, Erftstadt, Germany, Federal Republic of Kagerbauer, Karl-Heinz, Erftstadt, Germany, Federal Republic of Basell Polyolefine GmbH, Ludwigshafen, Germany, Federal Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6313228	B1	20011106
APPLICATION INFO.:	US 1999-441553		19991117 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19854285	19981125
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Lipman, Bernard	
LEGAL REPRESENTATIVE:	Keil & Weinkauf	
NUMBER OF CLAIMS:	9	
EXEMPLARY CLAIM:	1	
LINE COUNT:	612	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process peroxidically treats olefin polymers with di-tert-butyl peroxide in an extruder. The olefin polymers together with di-tert-butyl peroxide under an inert gas are fed to an extruder. The olefin polymers are used in a finely divided form at from 55 to 110° C. The use of peroxidically treated olefin polymers for producing moldings, fibers, films or nonwoven spunbond fabrics is described, as is a process for producing moldings, fibers, films or nonwoven spunbond fabrics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 5 USPATFULL on STN
 ACCESSION NUMBER: 91:10863 USPATFULL
 TITLE: Preparation of hydroxy terminated polysiloxanes
 INVENTOR(S): Trego, Brian R., Dinas Powys, Wales
 PATENT ASSIGNEE(S): Dow Corning S.A., Senneffe, Belgium (non-U.S.
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4990555		19910205
APPLICATION INFO.:	US 1990-467062		19900118 (7)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1988-254018, filed on 6 Oct 1988, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1987-24956	19871024
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Marquis, Melvyn I.	
ASSISTANT EXAMINER:	Hellender, Karen A.	
LEGAL REPRESENTATIVE:	Elliott, Edward C.	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
LINE COUNT:	403	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The specification discloses a method of preparing a polysiloxane by chain extension of a silicon compound having chain terminating units including a silicon-bonded hydroxyl group which comprises bringing about condensation of the silicon-bonded hydroxyl groups at a temperature of less than 50° C. in presence of an acidic condensation catalyst of the formula RSO₃H and water, to an extent of less than 7 moles per mole of acidic condensation catalyst. The silicon compound may comprise a hydroxyl end-blocked polydimethylsiloxane having a viscosity at 25° C. in the range 30 to 100,000 mm²/s, and it may be polymerized to provide an α,ω dihydroxy polydimethylsiloxane having a viscosity in the range 1,000 mm²/s to 100,000 mm²/s or more. Preferred acidic condensation catalysts are those in which R is

an alkyl group having a chain of 6 to 18 carbon atoms or a group R"C.sub.6 H.sub.4 where R" represents a hydrogen atom or an alkyl group having a chain of 6 to 18 carbon atoms. The preferred catalyst is dodecylbenzenesulphonic acid. A basic material may be added to the reaction mixture to neutralize said catalyst for example calcium carbonate or magnesium carbonate. The reaction mixture may be compounded to provide a curable composition, for example a moisture curable sealant composition comprising a mixture and/or a reaction product of the polysiloxane and a curative, a catalyst and finely divided filler.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:1016079 CAPLUS
 DOCUMENT NUMBER: 142:7003
 TITLE: Solvent-free manufacture of acrylic polymers as pressure-sensitive adhesives
 INVENTOR(S): Langenbuch, Jessica; Massow, Klaus; Zoellner, Stephan
 PATENT ASSIGNEE(S): Tesa A.-G., Germany
 SOURCE: PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004101627	A1	20041125	WO 2004-EP5349	20040518
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10322830	A1	20041209	DE 2003-10322830	20030519
EP 1626994	A1	20060222	EP 2004-733535	20040518
R: DE, ES, FR, GB, IT				
PRIORITY APPLN. INFO.:			DE 2003-10322830	A 20030519
			WO 2004-EP5349	W 20040518

AB Acrylic polymers useful especially for double-stick adhesive tapes are manufactured

by radical polymn. of acrylic monomers in a reaction extruder. For example, acrylic acid-Bu acrylate copolymer adhesive with weight-average mol. weight 557,000 and polydispersity 3.5 was manufactured

by passing a mixture of acrylic acid 5, Bu acrylate 95, bis(2,2'-phenylethyl thiocarbonate) (mol. weight regulator) 0.124 and AIBN 0.015% through a planetary gear extruder. The application temperature of the adhesive on a film substrate is 120°.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:1016078 CAPLUS
 DOCUMENT NUMBER: 141:424586
 TITLE: Continuous production of polymers made of vinyl compounds by bulk and/or solvent polymerization
 INVENTOR(S): Koenig, Sven; Langenbuch, Jessica; Massow, Klaus;

PATENT ASSIGNEE(S) : Zoellner, Stephan
 Tesa A.-G., Germany
 SOURCE: PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004101626	A1	20041125	WO 2004-EP5339	20040518
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10322830	A1	20041209	DE 2003-10322830	20030519
EP 1631599	A1	20060308	EP 2004-733562	20040518
R: DE, ES, FR, GB, IT				
PRIORITY APPLN. INFO.: DE 2003-10322830 A 20030519 WO 2004-EP5339 W 20040518				

AB The polymers having weight-average mol. weight $M_w > 400,000$ and/or
 polydispersity $M_w/M_n > 5$ are manufactured by polymn. of vinyl
 monomers in a planetary gear extruder under
 specified conditions (no examples).

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4 ANSWER 1 OF 5 USPATFULL on STN

CLM What is claimed is:

1. A process for the solvent-free, continuous preparation of a urethane (meth)acrylate having a melting range of from 30 to 130° C. by reacting A) at least one polymer containing hydroxyl groups, B) at least one di- or polyisocyanate, C) at least one polymerizable compound having at least one free hydroxyl group and a polymerizable (meth)acrylate group in an extruder, intensive kneader, intensive mixer or static mixer by thorough mixing and brief reaction with heat supply and subsequent isolation of the end product by rapid cooling.
8. A process according to any one of claims 1 to 7, characterized in that the reaction is carried out in a single-screw, twin-screw or multiscrew extruder, ring extruder or planetary extruder.